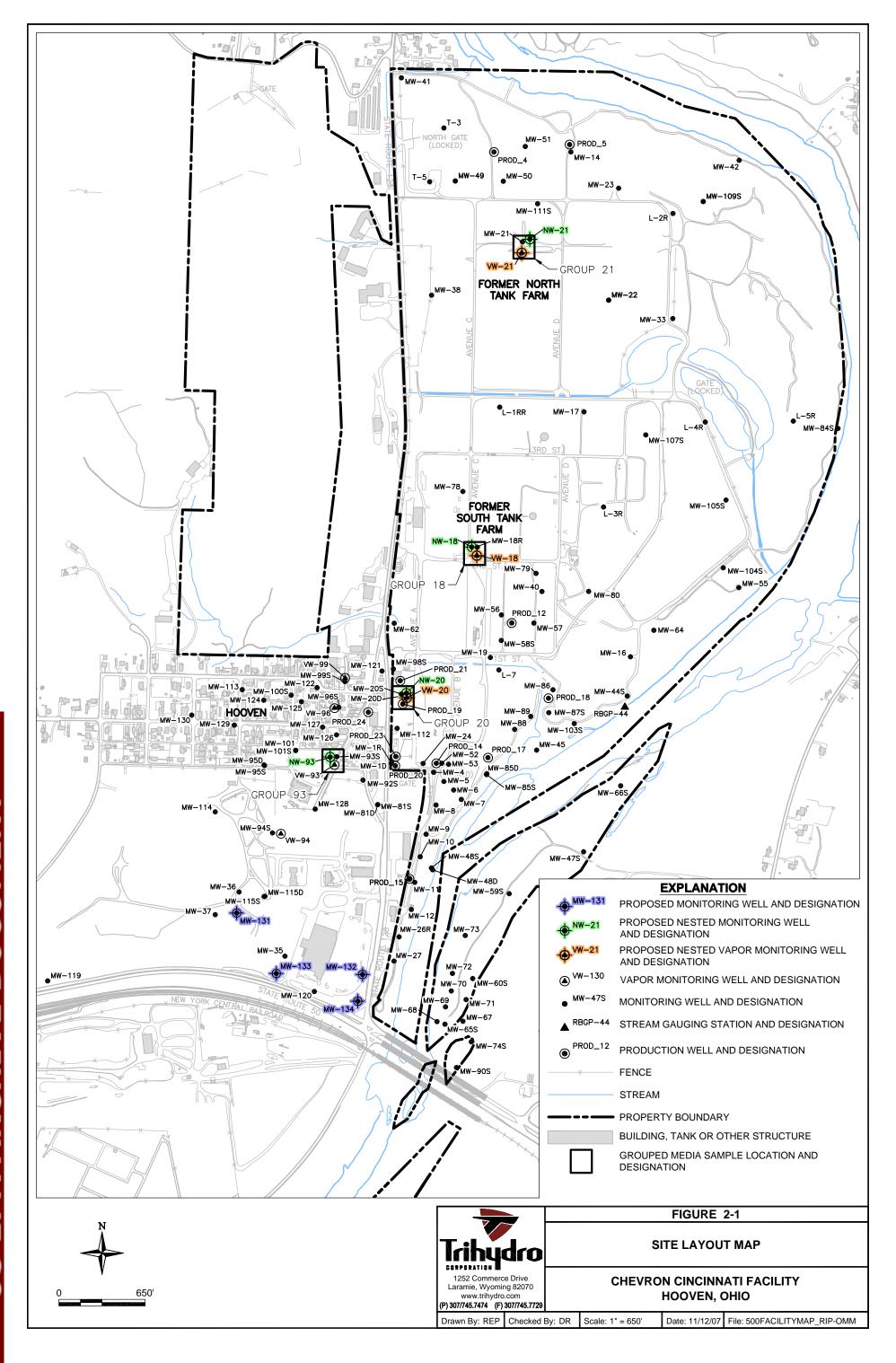
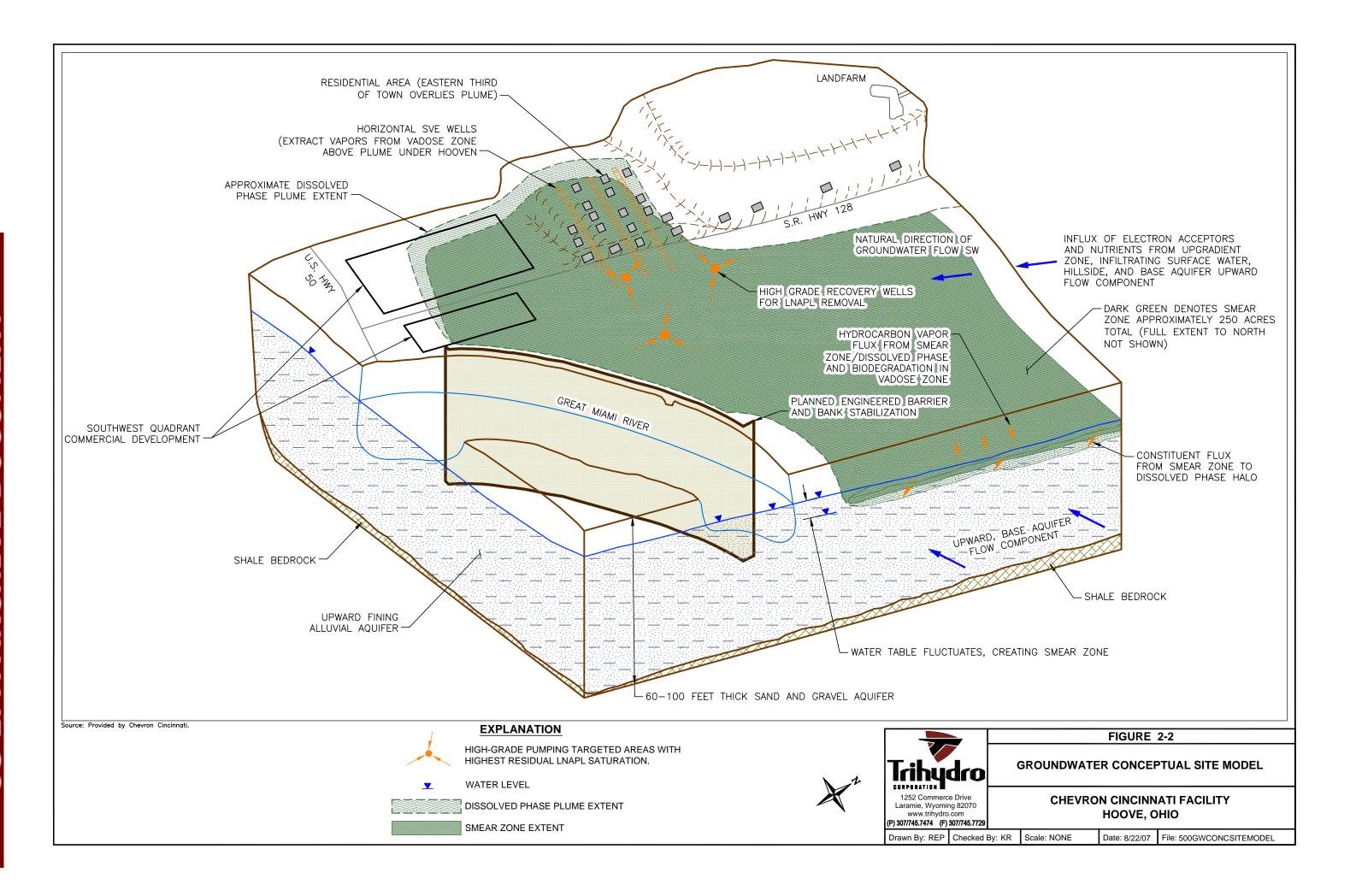
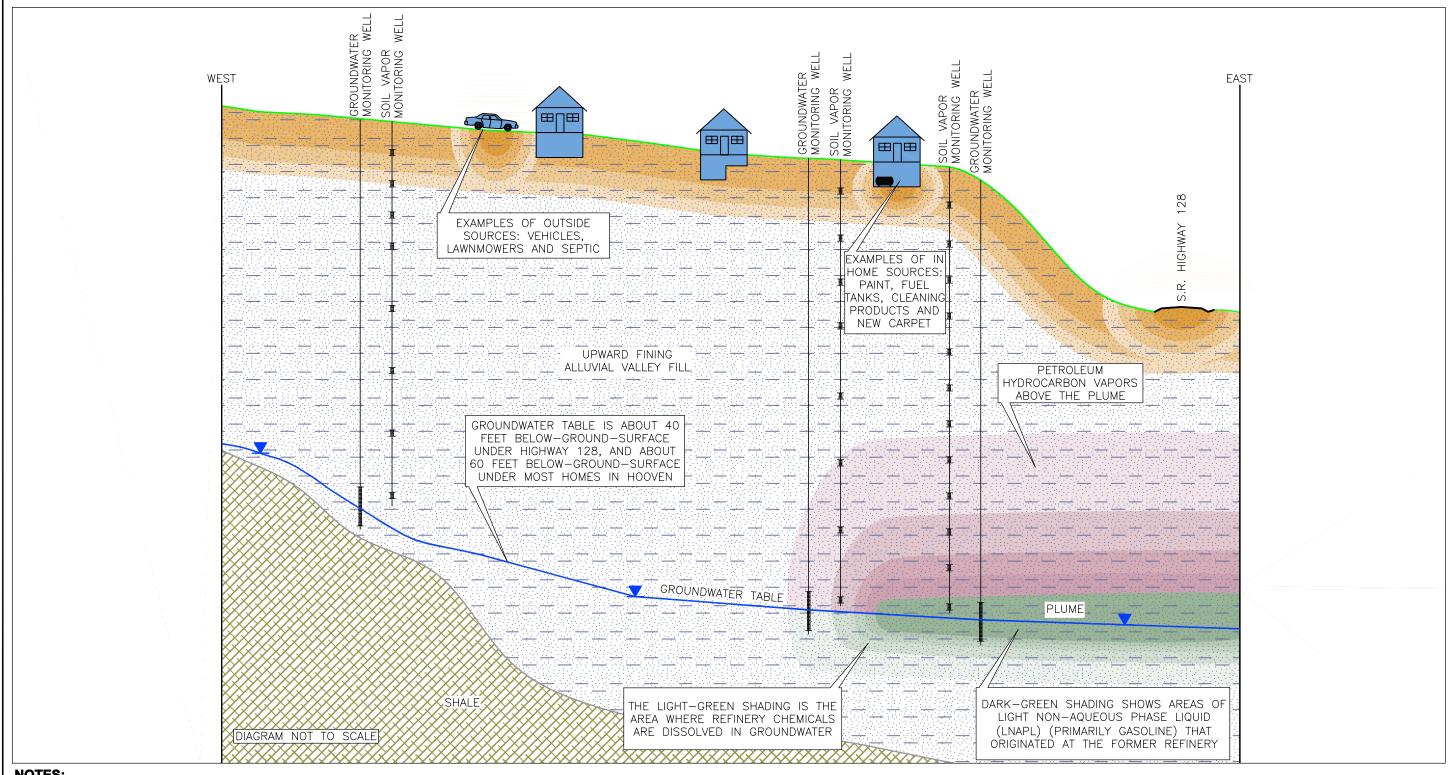
US ERA ARCHIVE DOCUMENT







# **NOTES:**

- 1. THIS DIAGRAM SHOWS THE GENERAL CONDITIONS UNDER HOOVEN IN CROSS SECTION, INCLUDING THE GENERALIZED GEOLOGY, DEPTH TO THE WATER TABLE AND DISTRIBUTION OF HYDROCARBONS ATTRIBUTABLE TO THE FORMER REFINERY.
- 2. BOTH THE DISSOLVED CHEMICAL AND THE VAPOR CONCENTRATIONS DECREASE TO BELOW DETECTABLE LEVELS BEFORE THEY MOVE VERY FAR FROM THE LNAPL. FOR THE VAPORS, CONCENTRATIONS DECREASE TO BELOW HEALTH-BASED SCREENING LEVELS A SUBSTANTIAL DISTANCE BELOW THE GROUND SURFACE.
- THE ORANGE SHADING AT VARIOUS AREAS NEAR THE GROUND SURFACE REPRESENTS THE ZONE OF LOW CONCENTRATION VAPORS THAT RESULT FROM COMMON HUMAN ACTIVITIES AT THE SURFACE. THESE ACTIVITIES INCLUDE THE USE OF GASOLINE IN VEHICLES AND SMALL ENGINES AS WELL AS FUEL OIL TO HEAT HOMES.



# FIGURE 2-3

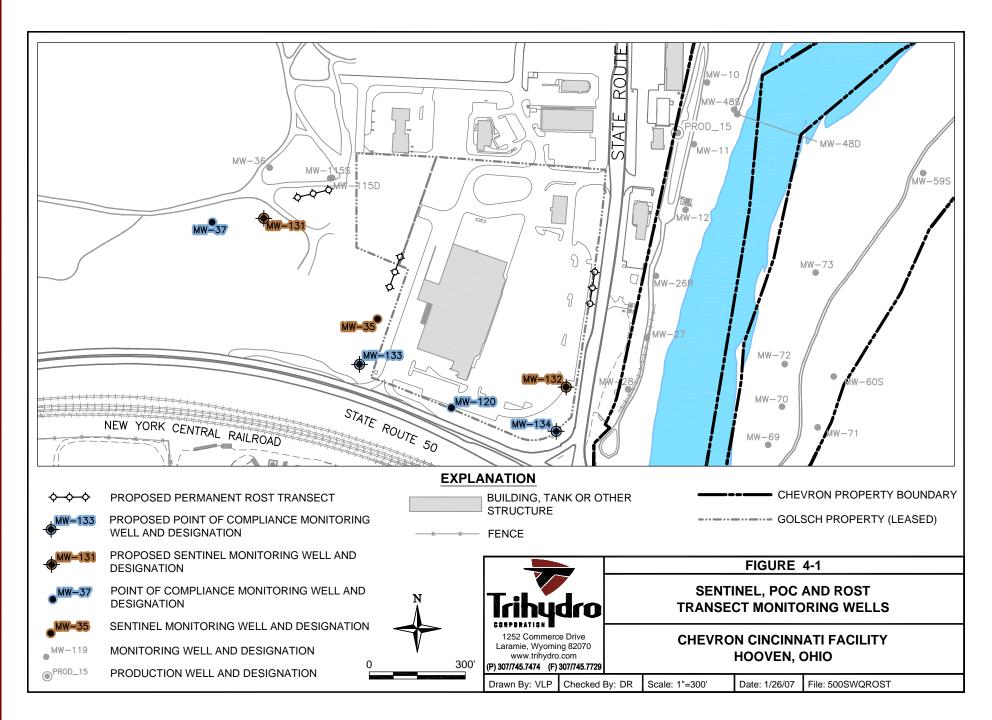
HOOVEN SUBSURFACE CONCEPTUAL SITE MODEL **WEST - EAST CROSS-SECTION** 

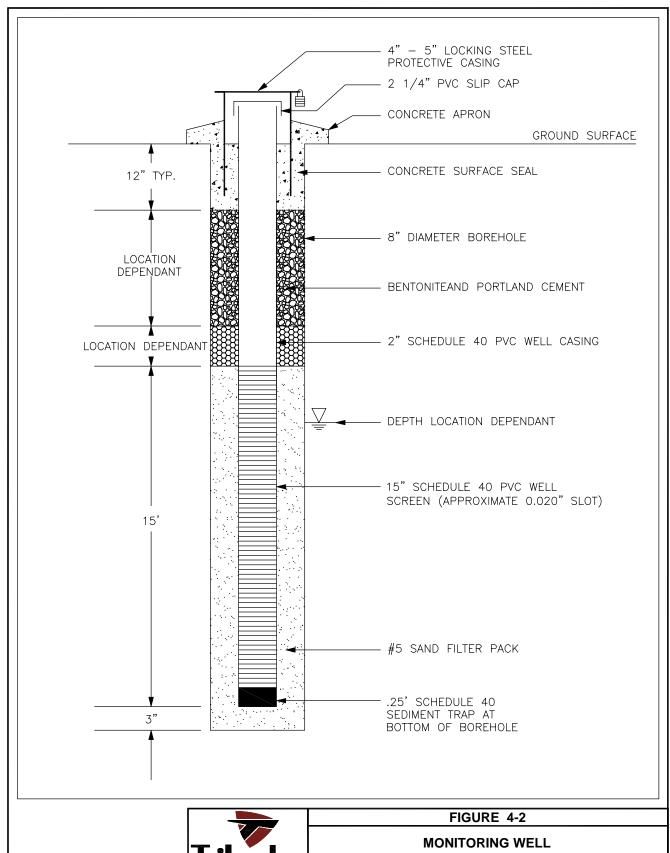
> **CHEVRON CINCINNATI FACILITY** HOOVEN, OHIO

(P) 307/745.7474 (F) 307/745.7729 Drawn By: REP | Checked By: DR | Scale: NONE

www.trihydro.com

Date: 8/22/07 | File: 500HOOVENCONCSITEX-SEC







**COMPLETION DETAIL** 

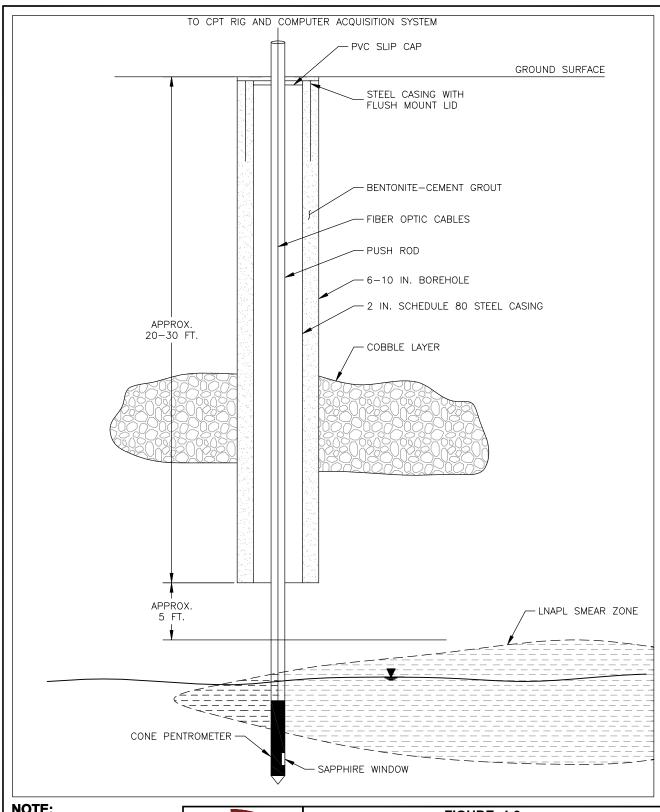
**CHEVRON CINCINNATI FACILITY** HOOVEN, OHIO

www.trihydro.com (P) 307/745.7474 (F) 307/745.7729 Drawn By: TWB | Checked By: DR

Scale: NONE

Date: 8/24/07

File: 500MONITORWELLDETAIL



# NOTE:

- 1. ANNUAL ROST TESTING CAN BE DONE USING THE SAME CASING HOLE EACH YEAR.
- 2. PUSH ROD AND CASING DIAMETERS TO BE **DETERMINED BY ROST** CONTRACTOR BASED ON AVAILABLE TECHNOLOGY.



www.trihydro.com

# FIGURE 4-3

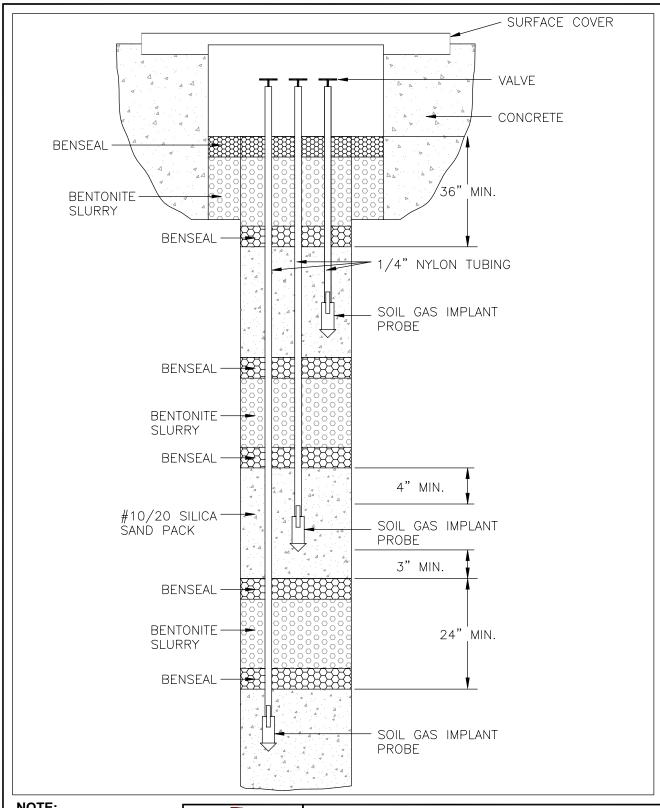
**ROST WELL COMPLETION DETAIL** 

**CHEVRON CINCINNATI FACILITY** HOOVEN, OHIO

(P) 307/745.7474 (F) 307/745.7729 Drawn By: REP | Checked By: DR Scale: NONE

Date: 12/3/07

File: 500ROSTWELL



### NOTE:

**ACTUAL NUMBER OF** SAMPLING POINTS WITHIN THE NEST MAY VARY UP TO SEVEN DEPENDING ON DEPTH TO GROUNDWATER, VERTICAL SPACING AND LITHOLOGY. APPROXIMATE SPACING BETWEEN SAMPLING POINTS IS 5 TO 10 FEET.



www.trihydro.com

# FIGURE 8-1

**NESTED VAPOR MONITORING WELL DETAIL** 

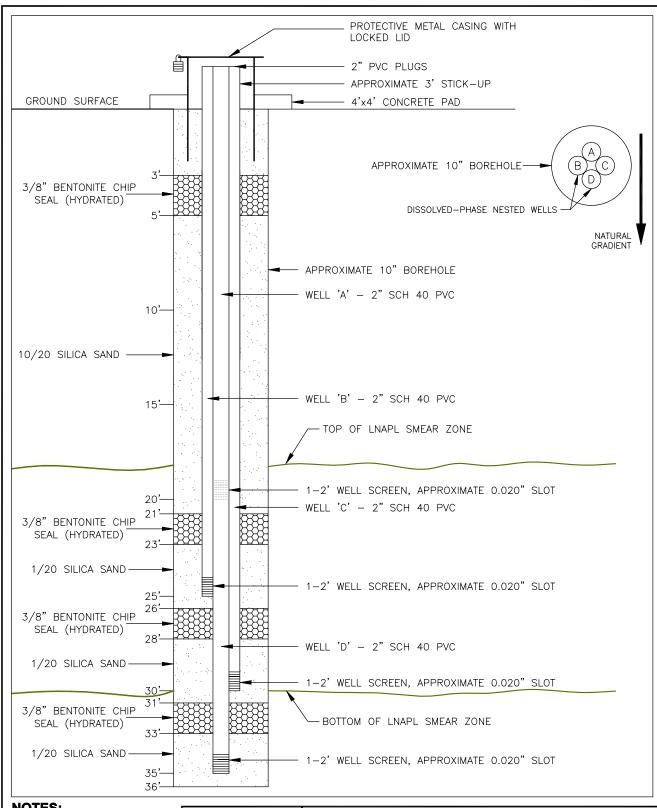
**CHEVRON CINCINNATI FACILITY** HOOVEN, OHIO

(P) 307/745.7474 (F) 307/745.7729 Drawn By: REP | Checked By: DR

Scale: NONE

Date: 8/21/07

File: 500NESTVAPORWELL



#### **NOTES:**

- 1. SAMPLING INTERVALS MAY CHANGE AS NEEDED TO TARGET SPECIFIC LOCATIONS WITHIN THE SMEAR ZONE.
- 2. INSTALL NESTED WELL SO THAT SHALLOWEST WELL 'A' IS **UP-GRADIENT OF NATURAL GROUNDWATER FLOW**



www.trihydro.com

(P) 307/745.7474 (F) 307/745.7729

### FIGURE 8-2

# **NESTED GROUNDWATER MONITORING WELL DETAIL**

**CHEVRON CINCINNATI FACILITY** HOOVEN, OHIO

Drawn By: TWB | Checked By: DR

Scale: NONE

Date: 4/10/07

File: 500DISSPHASEWELLDETAIL

